

PATHOLOGICAL REPORT

S.P.-C. 1000

SNOP CODED

AUG 25 1977

C-127513

Dr. Low-Beer

May 3, 1946

CLINICAL DATA: Male, age 4. Fracture, lower femur January 6, 1946. March 14th, X-ray diagnosis (Australia) of osteogenic sarcoma or Ewing's tumor. Two metastases at present (humerus and femur). Alk. phosphatase 11 (normal 1-6); acid phos. 0-2 (normal).

CLINICAL DIAGNOSIS: Osteogenic sarcoma or Ewing's tumor.

MATERIAL EXAM: Biopsy of femur.

GROSS DESCRIPTION: The specimen consists of a 0.8 x 0.3 cm. disc. of grey friable tissue containing calcareous points (A), and a 1 x 0.6 x 0.5 cm. wedge of bone (B).

HISTOLOGIC: (A) shows irregular zones of osteoid tissue containing swollen chondrocytes, areas of amorphous calcareous material and a cellular, irregularly vascularized component containing fibroblasts, fibrocytes, an occasional small giant cell, all supported among collagen fibers in a dense pattern in some places and a loose reticular pattern elsewhere. The cells show variability in size and irregularity in shape. Mitoses are rare. A few telangiectatic capillaries are present.

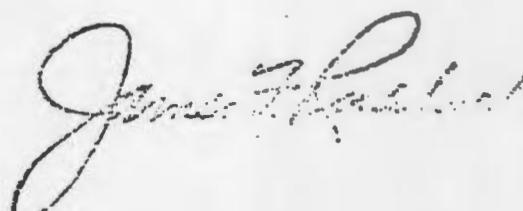
(B) shows a large area of frequent pleiomorphic hyperchromatic chondrocyte-like cells lying in lacunae of an osteoid matrix. Other areas show an irregular trabecular pattern of the osteoid matrix with smaller osteoblast-like cells lying in lacunae and concavities. More solid, laminated bone is also present.

Chondrosarcomatous, telangiectatic and sclerosing elements are all present.

DIAGNOSIS: Osteogenic sarcoma

C-1-1-5-2

Described by
Dr. Hilton Rosenthal, M.D.
S-1-1-4-6



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